

ABSTRACT

An improved non-spill water bottle cap is developed for preventing water spillage when a water bottle is inverted to place on a water dispenser. The improved non-spill water bottle cap 5 comprises a cylindrical plastic tube (10), a spherical float (20) for controlling the water flow, a plastic cap head (30) integrally formed with the cylindrical plastic tube (10), an edge frame (11) disposed at the end of the cylindrical plastic tube (10) and an annular flange (13) with a plurality 10 of peepholes (13a) disposed at the mouth of the plastic cap head (30) for retaining the spherical float (20) inside the cylindrical plastic tube (10), and an annular sealing ridge (12) for momentarily blocking the water flow path by contacting the spherical float (20) to form a seal when the water bottle is inverted.